

Title (en)
Task management apparatus

Title (de)
Taskverwaltungsgerät

Title (fr)
Appareil de gestion de tâches

Publication
EP 0790557 A2 19970820 (EN)

Application
EP 97300951 A 19970214

Priority
JP 2674296 A 19960214

Abstract (en)
A stable, effective task selection method which sets task execution frequency according to priority and does not cause lockouts or deadlocks. Management/selection lists are used to arrange the priorities of each program which requires parallel execution, with each priority being represented by only one priority label. Each priority label is linked to an identification information list of identification data of one program, or a plurality of programs, having the same priority. The total priority of each priority label in the management/ selection lists is found and a random number within a range from zero to the total priority is generated. Here, the probability that each of the priority labels is selected is based on the priorities. Each time a random number is generated, a task in the program represented by the identification data linked to the priority entry specified by the random number is executed. <IMAGE>

IPC 1-7
G06F 9/46

IPC 8 full level
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CPC (source: EP)
G06F 9/4881 (2013.01); **H04N 21/443** (2013.01)

Cited by
EP1037147A1; FR2813483A1; EP1918816A3; EP1037146A1; FR2765439A1; CN104866007A; NL1007453C2; EP0919953A3; CN109521997A; CN113268329A; US7219347B1; US6782368B2; US6874144B1; US7752621B2; EP1166560B1; US7401208B2; US8145885B2; WO0171467A1; WO0055732A3; WO0135227A3; US7360062B2; US7401207B2; US7827388B2

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